

What is claimed is:

1. A single-piece print cartridge body comprising:
 - a plurality of outlet ports disposed along a single axis that is substantially perpendicular to a direction of motion of the print cartridge body during printing;
 - first and second compartments respectively communicatively coupled to first and second cavities, the first and second cavities substantially parallel to the single axis and located on opposite sides of the single axis;
 - a first channel interconnecting the first cavity and a first one of the plurality of outlet ports; and
 - a second channel interconnecting the second cavity and a second one of the plurality of outlet ports;
 - wherein the first and second channels are substantially perpendicular to the single axis.
2. The print cartridge body of claim 1, further comprising a third channel connected between the first channel and first outlet port and a fourth channel connected between the second channel and second outlet port.
3. The print cartridge body of claim 2, wherein the third and fourth channels are located in substantially the same plane as the plurality of slots.
4. The print cartridge body of claim 3, wherein the third and fourth channels are substantially parallel to each other and are substantially perpendicular to the single axis and the first and second channels.
5. The print cartridge body of claim 4, wherein the third and fourth channels are of different lengths.

6. The print cartridge body of claim 1, further comprising first and second ducts respectively located in the first and second compartments and respectively connected to the first and second cavities.

7. The print cartridge body of claim 1, further comprising an aperture in one wall of the print cartridge body that opens to the first and second cavities and the first and second channels.

8. The print cartridge body of claim 1, further comprising a print-head-die mounting region surrounding the plurality of outlet ports.

9. The print cartridge body of claim 1, further comprising a third compartment connected to a third one of the plurality of outlet ports by a third channel.

10. The print cartridge body of claim 9, wherein the third channel is substantially perpendicular to the single axis and the first and second channels.

11. The print cartridge body of claim 9, wherein the third compartment is located between and is substantially parallel to the first and second compartments.

12. The print cartridge body of claim 9, wherein the third compartment is substantially perpendicular to the first and second compartments.

13. The print cartridge body of claim 9, further comprising a duct located in the third compartment connected to the third channel.

14. The print cartridge body of claim 1, further comprising a stepped divider disposed between the first and second channels for enabling the first and second channels to overlap.

15. A single-piece print cartridge body comprising:

opposing first and second walls connected between opposing third and fourth walls to define an interior of the print cartridge body, the first and second walls substantially perpendicular to the third and fourth walls;

a fifth wall that is substantially perpendicular to the first, second, third, and fourth walls having a print-head-die mounting region surrounding a plurality of outlet ports, the plurality of outlet ports disposed along a single axis that is substantially perpendicular to a direction of motion of the print cartridge body during printing;

first and second compartments located within the interior of the print cartridge body on opposite sides of the single axis;

first and second cavities extending from an aperture in the first wall toward the second wall, the first and second cavities substantially parallel to the single axis and respectively communicatively coupled to the first and second compartments, the first and second cavities respectively located on the same sides of the single axis as the first and second compartments;

a first channel interconnecting the first cavity and a first one of the plurality of outlet ports, the first channel substantially perpendicular to the single axis;

a second channel interconnecting the second cavity and a second one of the plurality of outlet ports, the second channel substantially perpendicular to the single axis; and

a third compartment connected to a third one of the plurality of outlet ports by a third channel.

16. The print cartridge body of claim 15, further comprising a fourth channel connected between the first channel and first outlet port and a fifth channel connected between the second channel and second outlet port.

17. The print cartridge body of claim 16, wherein the third, fourth, and fifth channels are located in substantially the same plane as the plurality of slots.

18. The print cartridge body of claim 17, wherein the third, fourth, and fifth channels are substantially parallel to each other and are substantially perpendicular to the single axis and the first and second channels.

19. The print cartridge body of claim 18, wherein the third, fourth, and fifth channels are of different lengths.

20. The print cartridge body of claim 15, wherein the third channel is substantially perpendicular to the single axis and the first and second channels.

21. The print cartridge body of claim 15, wherein the third compartment is located between and is substantially parallel to the first and second compartments.

22. The print cartridge body of claim 15, wherein the third compartment is substantially perpendicular to the first and second compartments.

23. The print cartridge body of claim 22, wherein the third compartment is located between the first and second compartments and the first wall and is substantially parallel to the first and second walls.

24. The print cartridge body of claim 15, wherein the first and second cavities and the first and second channels are disposed within a protrusion of the fifth wall.

25. The print cartridge body of claim 15, wherein the print-head-die mounting region is disposed on a protrusion of the fifth wall.

26. A single-piece print cartridge body comprising:

means for containing a first ink;

means for receiving the first ink from the first ink containing means, the first ink receiving means substantially perpendicular to a direction of motion of the print cartridge body during printing;

means for directing the first ink substantially parallel to the direction of motion between the first ink receiving means and a first outlet port;

means for containing a second ink;

means for receiving the second ink from the second ink containing means, the second ink receiving means substantially perpendicular to the direction of motion; and

means for directing the second ink substantially parallel to the direction of motion between the second ink receiving means and a second outlet port aligned with the first outlet port on a single axis that is substantially perpendicular to the direction of motion.

27. The print cartridge body of claim 26, further comprising:

means for containing a third ink; and

means for directing the third ink from the third ink containing means to a third outlet port aligned with the first and second outlet ports on the single axis.

28. The print cartridge body of claim 27, wherein the third ink containing means is located between and is substantially parallel to the first and second ink containing means.

29. The print cartridge body of claim 27, wherein the third ink containing means is substantially perpendicular to the first and second ink containing means.

30. An ink-jet cartridge comprising:

a single-piece body comprising:

a plurality of outlet ports disposed along a single axis that is substantially perpendicular to a direction of motion of the ink-jet cartridge during printing;

first and second compartments respectively communicatively coupled to first and second cavities, the first and second cavities substantially parallel to the single axis and located on opposite sides of the single axis;

a first channel interconnecting the first cavity and a first one of the plurality of outlet ports, the first channel substantially perpendicular to the single axis;

a second channel interconnecting the second cavity and a second one of the plurality of outlet ports, the second channel substantially perpendicular to the single axis; and

a third compartment connected to a third one of the plurality of outlet ports by a third channel;

a print head attached to the single-piece body, the print head comprising a plurality of slots, the slots respectively aligning with the outlet ports; and

a single cap disposed over an aperture in one wall of the single-piece body that opens to the first and second cavities and the first and second channels.

31. The ink-jet cartridge of claim 30, wherein the third channel is substantially perpendicular to the single axis and the first and second channels.

32. The ink-jet cartridge of claim 30, further comprising a fourth channel connected between the first channel and first outlet port and a fifth channel connected between the second channel and second outlet port.

33. The ink-jet cartridge of claim 32, wherein the third, fourth, and fifth channels are located in substantially the same plane as the plurality of slots.

34. The ink-jet cartridge of claim 33, wherein the third, fourth, and fifth channels are substantially parallel to each other and are substantially perpendicular to the single axis and the first and second channels.

35. The ink-jet cartridge of claim 30, wherein the third compartment is located between and is substantially parallel to the first and second compartments.

36. The ink-jet cartridge of claim 30, wherein the third compartment is substantially perpendicular to the first and second compartments.

37. The ink-jet cartridge of claim 30, further comprising a cover attached to the single-piece body opposite the print head.

38. A method for delivering ink to a print head of a print cartridge, the method comprising:

directing first and second inks respectively from first and second compartments of a single-piece print cartridge body of the print cartridge respectively into first and second cavities of the print cartridge body, wherein the first and second cavities are substantially perpendicular to a direction of motion of the print head during printing and are located on opposite sides of the print head;

directing the first ink substantially parallel to the direction of motion from the first cavity through a first channel to a second channel that is located in substantially the same plane as a plurality of slots of the print head, wherein the slots are aligned on a single axis substantially perpendicular to the direction of motion;

directing the second ink substantially parallel to the direction of motion from the second cavity through a third channel, in a direction counter to the first ink

through the first channel, to a fourth channel that is located in substantially the same plane as the plurality of slots and the second channel; and

directing the first and second inks respectively through the second and fourth channels respectively into first and second slots of the plurality of slots.

39. The method of claim 38, further comprising directing a third ink from a third compartment of the cartridge body into a third slot of the plurality of slots.

40. The method of claim 39, wherein directing a third ink from a third compartment of the cartridge body into a third slot of the plurality of slots comprises directing the third ink through a fifth channel located in substantially the same plane as the plurality of slots and the second and fourth channels.

41. The method of claim 39, wherein directing a third ink from a third compartment of the cartridge body comprises directing the third ink from a third compartment located between and substantially parallel to the first and second compartments.

42. The method of claim 39, wherein directing a third ink from a third compartment of the cartridge body comprises directing the third ink from a third compartment located substantially perpendicular to the first and second compartments.

43. The method of claim 38, wherein directing first and second inks respectively from first and second compartments of a single-piece print cartridge body comprises directing the first and second inks respectively from first and second compartments respectively located on the same sides of print head as the first and second cavities.

44. The method of claim 38, further comprising directing the first and second inks substantially perpendicular to the direction of motion respectively within the first and second cavities.